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RELIABILITY PREDICTION

Model : PSP-500 Data:2001-02-23

Style	**Part Type**	Q'ty	λ_g	π_Q	λ_{eg}	%
9.1	Resistor-Film, Insulated (RL)	82	0.003700	10	3.034000	39.478
9.1	Resistor-Wirewound Power (RW)	6	0.008500	10	0.510000	6.636
9.1	Resistor-Film, Variable (RVC)	1	0.040000	10	0.400000	5.205
9.1	Resistor-Thermistor (RTH)	1	0.001400	10	0.014000	0.182
10.1	Capacitor-Metal, Plastic (CH)	28	0.000510	10	0.142800	1.858
10.1	Capacitor-Ceramic(Gen.) (CK)	9	0.001700	10	0.153000	1.991
10.1	Capacitor-Aluminum Dry (CE)	27	0.001300	10	0.351000	4.567
6.1	Diode-Gen. Purpose Analog	2	0.003600	8	0.057600	0.749
6.1	Diode-Switching	21	0.000940	8	0.157920	2.055
6.1	Diode-Power Rectifier / Schottky Power	12	0.002800	8	0.268800	3.498
6.1	Diode-Voltage Ref/Reg. (Avalanche & Zener)	8	0.003300	8	0.211200	2.748
6.3	Transistor-NPN/PNP	10	0.000150	8	0.012000	0.156
6.4	Transistor-MOSFET	4	0.014000	8	0.448000	5.829
6.11	OPTO-isolator	3	0.027000	8	0.648000	8.432
5.1	Linear Microcircuits	6	0.009500	10	0.570000	7.417
11.1	Transformer Switching	4	0.000610	3	0.007320	0.095
11.2	Coil Fixed inductor or choke	3	0.000032	3	0.000288	0.004
13.1	Relay-General Purpose	1	0.049000	2.9	0.142100	1.849
14.1	Switches-Thermal	1	0.031000	2	0.062000	0.807
15.1	Connector- Rectangular	4	0.050000	2	0.400000	5.205
17.1	Single Connections-Reflow solder	595	0.000069	1	0.041055	0.534
17.1	Fuses Clip-Clip Termination	2	0.000120	1	0.000240	0.003
22.1	Fuses	1	0.010000	1	0.010000	0.130
16.1	Plated Through Hole Circuit Boards	1	0.022000	2	0.044000	0.573
Total Failure rate:					7.685323	100%

- **Data Base: MIL-HDBK-217F ,Notice 2, Parts Count**
- **Env.: GB**
- **Exclude: FAN**

MTBF: 130118.15 **hrs**

Approved by: David Wang Compiled by: Kim Tseng .

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